II FREECOM

USER'S GUIDE

DATA TANK
EXTERNAL DUAL DISK HARD DRIVE / 3.5"
USB 2.0 / FIREWIRE 400 / 800
WIN & MAC

GB

Dear user,

Thank you for choosing the **Freecom DataTank** as your external hard drive. To ensure you get the best performance and ease of operation, please read this manual carefully before using the Freecom DataTank.

Freecom Technologies GmbH • Germany
www.freecom.com

Package Contents

Please check the contents of the box to ensure it contains the following items:

- Freecom DataTank (external hard drives)
- Power pack
- Data cables (USB 2.0, Firewire 400 and Firewire 800)
- CD with user's guide, application software and safety guide
- Quick Install Guide

User's Guide

GB

Chapter 1:

Chapter 2:

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Freecom DataTank

General Information

Your system needs to meet the following hardware and software requirements for the device to function properly.

System requirements

To use the Freecom DataTank, you will require the following components:

PC:

- Intel/AMD CPU 700 MHz or faster
- 256 MB RAM or faster
- CD ROM drive for installing the software
- Free USB 2.0 or USB 1.1. port* or
- Free Firewire 400 / Firewire 800 port
- Internet connection for registering warranty online and downloading software updates.
- Operating system: Windows 2000, Windows XP, Windows Server 2003

Mac:

- Mac G3/G4/G5 or Power Book G3/G4 or faster
- 256 MB RAM or faster
- CD ROM drive for installing the software
- Free USB 2.0 or USB 1.1. port* or
- Free Firewire 400 / Firewire 800 port
- Internet connection for registering warranty online and downloading software updates.
- Operating system: Mac OS X v10.1 and later

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* USB 2.0 is backward compatible with USB 1.1.

Precautionary measures

To ensure that your Freecom DataTank functions properly, please take note of the following precautions. If these are not followed, you may void your warranty and damage the Freecom DataTank.

- Safely remove the Freecom DataTank via your operating system (the "unplug or eject hardware" option in the Windows taskbar) before disconnecting the USB cable or power cable and before switching off the device. Failing to do so may result in data loss.
- Do not drop the Freecom DataTank or expose it to other kinds of sudden mechanical shocks as this may result in data loss and damage to the DataTank.
- Do not use the Freecom DataTank when the ambient temperature is below 10°C or above 35°C.
- If the Freecom DataTank is moved from a cool environment to a warmer environment, please allow the drive to acclimatize to the ambient temperature before operating the device. Failing to do so may lead to condensation within the drive enclosure, which in turn may cause the drive to malfunction.
- Do not place liquids or drinks on the Freecom DataTank. When liquids are spilled and get in contact with the electronics within the drive enclosure, it will damage the drive and will cause the drive to malfunction.
- Do not use the Freecom DataTank in a dusty environment. Dust inside the enclosure may damage the internal electronics and result in drive malfunction.
- Only use the power adapter that was supplied with the Freecom DataTank.
- Opening the Freecom DataTank will void the warranty.
- Since USB 2.0 is backwards compatible with USB 1.1, the Freecom DataTank can be connected to all USB ports. When connected to a USB 1.1 port, however, the performance (data transfer rate) of the Freecom DataTank will be much lower than when the drive is connected to a USB 2.0 port.
- When using the Freecom Personal Media Suite software, please be aware that all files in the SYNC folder on the Freecom DataTank are linked to the original files on your PC or network. If you delete a file in the SYNC folder, its original will be deleted during the next synchronization, too! To avoid this, you have to 'Split From Original' the file prior to deleting it. Please refer to chapter 4 for further information on Freecom SYNC and Microsoft Briefcase.

Freecom DataTank

High speed data transfer via the USB 2.0 or Firewire port is perfect for saving your data, backing up files, archiving, audio playbacks and any other applications that requires rapid access to files.

For you convenience, the Freecom DataTank is partitioned (one partition) and preformatted before shipment (NTFS file system). If you want to format the Freecom DataTank using a different file system, you should first consider the potential problems you may encounter when using the Freecom DataTank with a computer other than the one used to format the device.

Recommended installation sequence

1. Install the Freecom software.
2. Attach the port cable to the device and plug the power supply into the socket. Then connect the other end of the cable to the port on the computer.

For a more detailed description of hardware and software installation, please refer to Chapter 1-4.

Chapter 1: Installing the Freecom Software (PC)

Before you can use the Sync button on your Freecom DataTank, you first need to install the Freecom Personal Media Suite. To use the encryption function, you will need to install the Freecom DataTank Configuration Software.

> **Note: To use the functions of the Freecom Personal Media Suite described in this handbook, your Freecom DataTank has to be connected to your PC.**
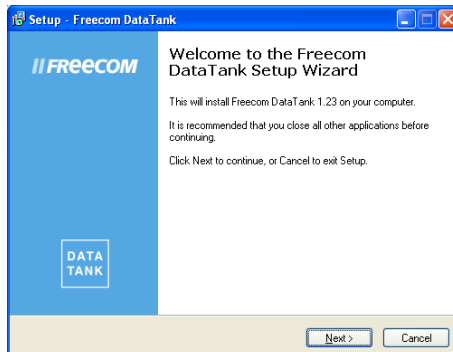
1.1 Installation

1. Insert the Freecom DataTank Software & Manual CD into your CD drive. The Freecom start menu opens:
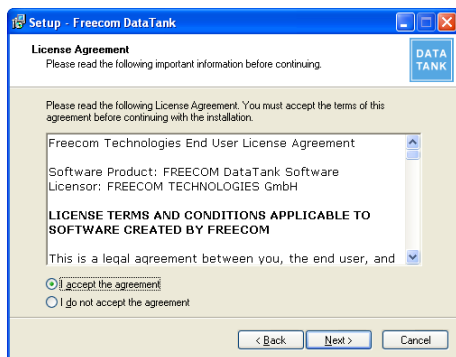

    In case the software does not open automatically, please double click "Start.exe" in the root directory of the CD.

2. Now click "Software Installation, followed by "Freecom Software". The installation of the Freecom Software now begin.

3. Follow the instructions on the screen, confirm with "Next" in order to continue with the installation.

4. Please read the licensing agreement carefully. To accept the licensing agreement, confirm with "Yes". Note: Clicking on "No" ends the installation. Select the folder where the Freecom programs will appear in the start menu.

5. Default target folder is C:\Program Files\Freecom. You can select a different target folder for the program files by selecting another folder on your hard disk.

    To install all accessory programs, choose "Full Installation" in the dialog window.
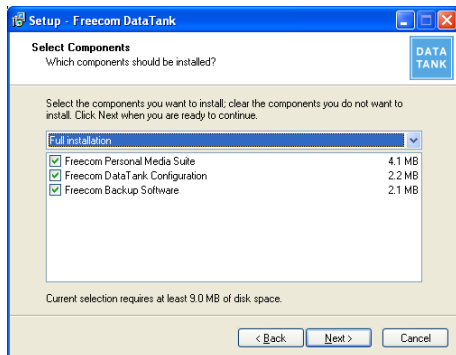
The software package on the CD supplied with the DataTank includes three tools: the Freecom Media Suite, the Freecom DataTank Configuration Software and the Freecom Backup Software.

The Freecom Personal Media Suite enables you to compress and encrypt your files, synchronize files stored on your computer locally with those on the DataTank and configure your system to run certain applications and files each time the DataTank is connected to your computer.

The DataTank Configuration Software allows you to configure the RAID level and encryption. There are many advantages to having two hard drives on your DataTank. The "Fast" option let's you increase the speed of your DataTank, while the "Safe" option likewise raises the level of security.

For a detailed description of RAID* levels and their respective advantages and disadvantages, please refer to chapter 4.

The Freecom Backup Software helps you save certain file types to your DataTank. The software provides a wizard, which leads you step by step through the backup process, plus a user interface that allows you to backup your files in a mere three clicks of the mouse.
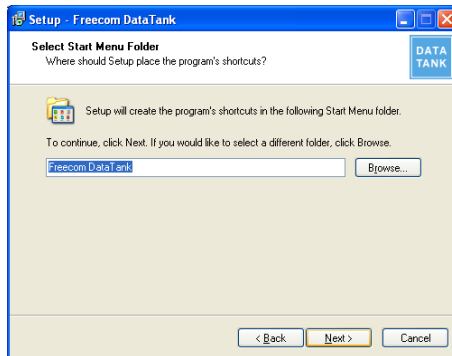
6. Click on "Next" to start the installation. All necessary program files are now installed on your computer's hard disk.

* **RAID = R**edundant **A**rray of **I**ndependent **D**isks. A RAID system arranges two or more physical drives on a computer into one logical drive. This permits more storage space and/or greater data throughput than a physical drive.

7.   Please click "Finish". Once the installation is complete, the program icons will appear on your desktop.

1.2 Uninstalling the Freecom software

In order to remove the Freecom Software from your computer, please proceed as follows:

1.   Click "Start" - "Settings" - "Control Panel" - "Software" - "Freecom DataTank" - "Remove Freecom DataTank".

2.   Once the software has been uninstalled, the following confirm window appears on the screen:
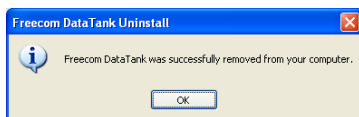
Chapter 2: Hardware Installation

> **WARNING! Only connect the DataTank via the USB or Firewire port. Never use both ports at the same time!**

1. Plug the cable (USB or Firewire) into the Freecom Data-Tank.

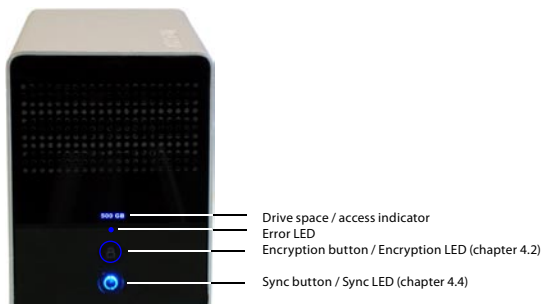2. Insert the power cord into the Freecom DataTank and plug the power supply into the socket.

3. Plug the cable into the port (USB or Firewire) on your computer.

Because USB 2.0 is backward compatible with USB 1.1, you can connect the Freecom DataTank to any USB port. Please note however that USB 2.0 ports support significantly higher data transfer speeds than USB 1.1.

2.1 Sync and encryption buttons, LEDs

The front panel of the DataTank contains the Sync and encryption buttons along with the corresponding LEDs (see figure).

Drive space / access indicator
Error LED
Encryption button / Encryption LED (chapter 4.2)

Sync button / Sync LED (chapter 4.4)

> **CAUTION! If the error LED lights red or an error message box appears, the DataTank is not functioning properly. If possible, save your data on another drive or disk.**

2.2 Power switch

Please turn the Freecom DataTank off when it is not in use. This conserves electricity and extends the life of the built-in hard drive. The power switch is located on the back side of the Freecom DataTank. Press the button for 3 seconds.

> **WARNING! Before turning off the Freecom DataTank manually, please make sure to first "unplug or eject hardware". This option is found in the Windows taskbar. Failure to do so may result in the loss of data.**

Chapter 3: Driver Installation

Your computer will not require a special Freecom driver if you are using Windows 2000 / XP or MacOS X. The required driver is automatically installed by the operating system when the cable is plugged into your computer.

Chapter 4: Freecom DataTank Configuration Software (PC)

4.1 RAID* modes with the DataTank

The DataTank configuration wizard enables you to adjust the RAID settings for the DataTank.

Double click on the program icon on your desktop (DataTank Configuration Wizard) or go to "Start" - "Programs" - "DataTank Configuration Wizard".

> **Warning! All data on the DataTank's hard drives is deleted every time the RAID mode is changed.**

4.1.1 Double Driveletter (JBOD)

The Double Driveletter option configures the hard disks on your DataTank as separate drives. You will have multiple drive letters, e.g., D: and E:.

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*   **RAID = R**edundant **A**rray of **I**ndependent **D**isks. A RAID system arranges two or more physical drives on a computer into one logical drive. This permits more storage space and/or greater data throughput than a physical drive.
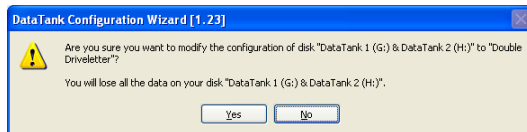
13
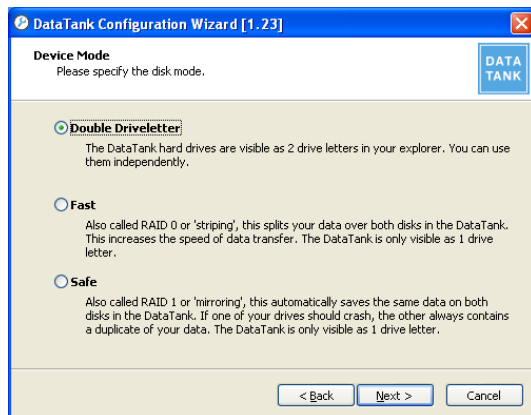
In the next window, you are prompted whether to create an encrypted drive. When the "Create encrypted drive" option is selected, you can move the slider to the desired position (in %) and then enter your password twice in the two designated fields: "Type the password" and "Type the password again". The password must be at least six character in length.

Your configuration settings are displayed to give you one final chance to check whether they are correct.
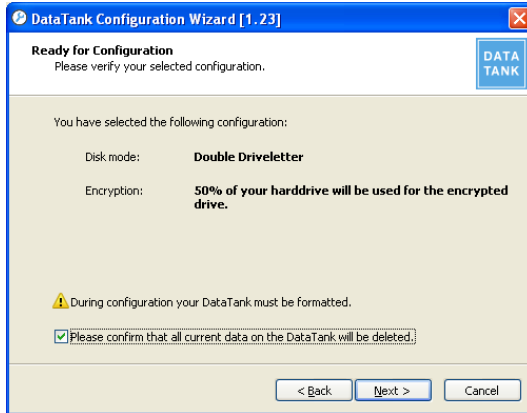
Check "Please confirm that all current data on the DataTank will be deleted". Click "Next" to continue. You are prompted one last time to confirm that you want to apply the new configuration. To save the configuration, click "Yes".
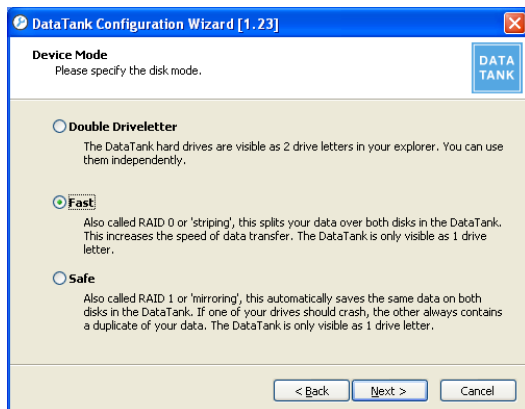

In the final step, a window is displayed with the results of the operation.
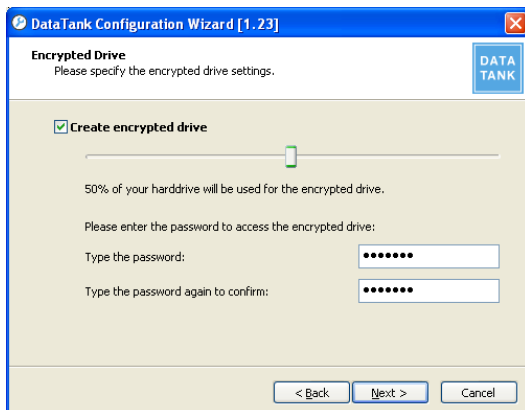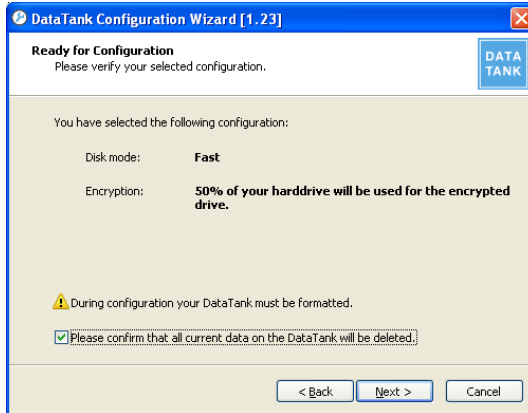
4.1.2 Fast (striping)

In the Fast mode, the hard drives on your DataTank are merged and the files are transferred to the two drives by turns, i.e., one file to drive 1 and the next one to drive 2. This has the distinct advantage of significantly speeding up reading and writing versus using several separate hard drives. The drawback of Fast mode (striping) lies in the fact that if one of the two drives crashes, you will lose all data on the DataTank.
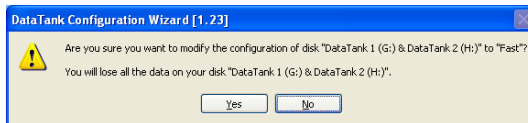

In the next window, you are prompted whether to create an encrypted drive. If the "Create encrypted drive" option is selected, you can move the slider to the desired position (in %) and then enter your password twice in the two designated fields: "Type the password" and "Type the password again". The password must be at least six characters in length.

Your configuration settings are displayed to give you one final chance to check whether they are correct.

Check "Please confirm that all current data on the DataTank will be deleted". Click "Next" to continue. You are prompted one last time to confirm that you want to apply the new configuration. To save the configuration, click "Yes".

In the final step, a window is displayed with the results of the operation.

4.1.3 Safe (mirroring)

In the Safe mode, all data on the first drive is also mirrored on the second drive. As a result, only half of the entire storage space on your DataTank is available for use. This offers the benefit of high level data security as a backup copy of your data is always made. If one of the two drives crashes, your data is still available on the second drive.
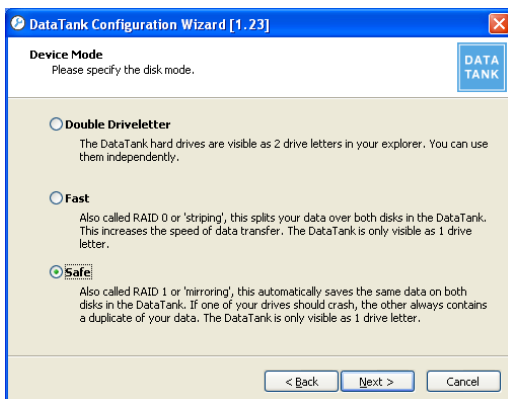
In the next window, you are prompted whether to create an encrypted drive. If the "Create encrypted drive" option is selected, you can move the slider to the desired position (in %) and then enter your password twice in the two designated fields: "Type the password" and "Type the password again". The password must be at least six characters in length.

Your configuration settings are shown to give you one last chance to check whether they are correct.

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Check "Please confirm that all current data on the DataTank will be deleted". Click "Next" to continue. You are prompted one last time to confirm that you want to apply the new configuration. To save the configuration, click "Yes".
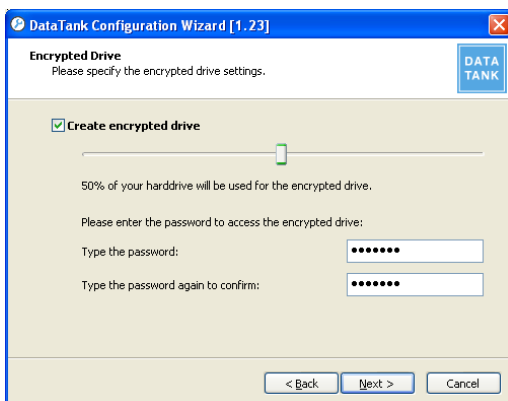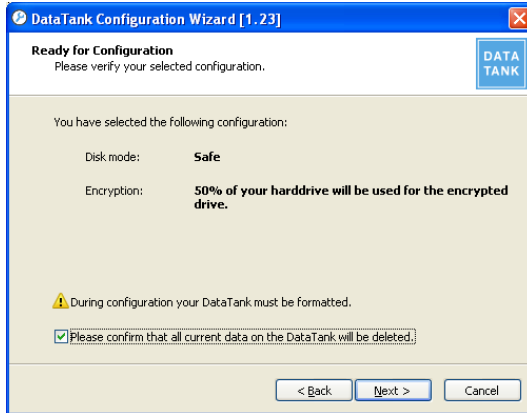

In the final step, a window is displayed with the results of the operation.

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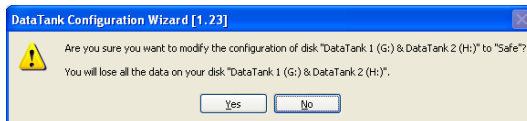
4.2 Encryption

You will need to install the Freecom DataTank Configuration Software before you can use the Encryption button on the front of your DataTank.

You must have create an encrpyted drive in the datatank config software in order to use the encryption button. if you don't have setup an encrpyted drive, the shown dialof will appear and start the dt config software.

Warning! All data on the DataTank's hard drives is deleted every time the mode is changed.

Encryption button

A window opens when the Encryption button is pressed.

1. If the drive is already enabled, press OK to hide it.

2. If the drive is encrypted, you will need to enter the password and click OK to acess the drive.

4.3 Installing the Freecom software (Mac)

1. Insert the Freecom DataTank Software & Manual CD into your CD drive.

2. Click the "Download Freecom Software" button. (http://www.freecomdemo.com/mac/datatank.htm).

4.4 Sync Button and the User Interface of the Freecom Personal Media Suite (PC)

The SYNC button only works if the Freecom Personal Media Suite Software is installed on your computer. The synchronization process occurs simply by the push of a button.
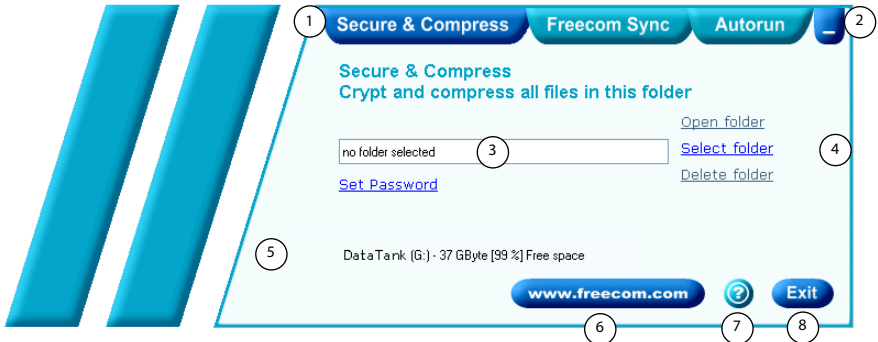
1   Tabs for configuration of the Freecom Personal Media Suite components

- Secure & Compress

- Freecom SYNC

- Autorun

2   Minimizes Freecom Personal Media Suite in the taskbar

3   Input field (also shows the selected folder)

4   User menu

5   Connected Freecom DataTank (drive letter + available memory capacity)

6   Link to www.freecom.com. Click on this to access the Freecom homepage. Here you can find further information about your Freecom DataTank.

7   Quick Help for Freecom Personal Media Suite

8   Minimizes Freecom Personal Media Suite in the system tray.

4.4.1 Configuration

To open the configuration menu, please right-click on the Freecom Personal Media Suite icon in the system tray and select "Configuration":

1.   "Show splash screen": Deactivate this function to prevent the display of the start screen when starting the program.

2.   "Start program on Windows start": Starts the Freecom Personal Media Suite in the background with every Windows start. You will know this by the icon of the Freecom Personal Media Suite in the system tray.

> **Important: We recommend to leave the function "Start program on Win-dows start" activated under all circumstances in order to be able to use all the functions of the Freecom Personal Media Suite (e.g. "Autorun", "SYNC on Freecom device plug-in")!**

4.5 Autorun

The "Autorun" function enables you to open or start documents, files or programs auto-matically when your Freecom DataTank is connected to your PC.

Automatically start, for example, the last document you were working on, MP3 play lists, your favourite film and much more. These files do not have to be on your Freecom DataTank for this.
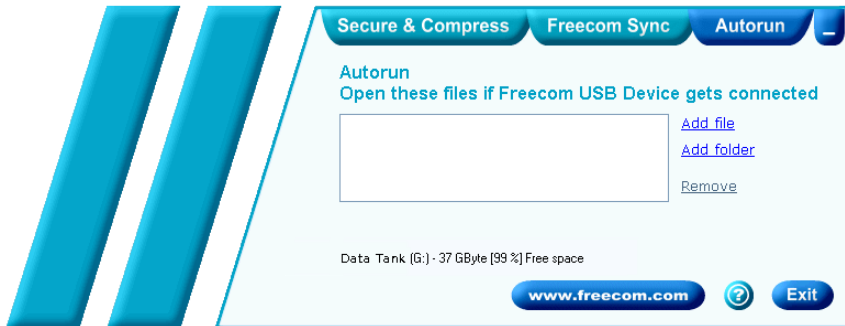
4.5.1 Adding files / folders

1. Open the Freecom Personal Media Suite and select the "Autorun" tab.
2. Add files, folders and programs to the Autorun list by either clicking on "Add file" and selecting the corresponding file or by pulling the files into the Autorun list field using drag&drop.
3. For folders, please select "Add folders" or pull a folder into the Autorun list field using drag&drop.
4. Alternatively, you can create a new folder on your Freecom DataTank using the "Add folder" function by clicking on "Create new folder", naming the folder and selecting it.

4.5.2 Removing files / folders from the Autorun list

1. Open the Freecom Personal Media Suite and select the "Autorun" tab.
2. Select the file or the folder to be removed in the Autorun list field.
3. Click on "Remove". The corresponding entry is removed from the list.

4.6 Secure&Compress

The Secure&Compress function serves to compress and encrypt your documents. Un-authorized access to your personal data is therefore impossible.

4.6.1 Add / Select Folders

1. Open the Freecom Personal Media Suite and select the tab "Secure&Compress".
2. Click on "Change folder" and select the folder on your Freecom DataTank whose content is to be compressed and encrypted.
3. Alternatively, you can create a new folder to be encrypted on your Freecom DataTank using the "Change folder" function by clicking on "Create new folder", naming the folder (e.g. "Secure") and selecting it.

In the selected folder, all files - even in sub-directories - are compressed and then en-crypted.

The active Secure&Compress folder is easily recognised on your Freecom DataTank by the "Padlock".

4.6.2 Opening the Secure&Compress folder

1. Open the Freecom Personal Media Suite and select the tab "Secure&Compress".
2. Click on "Open folder" in order to open the Secure&Compress folder.
3. If the Freecom Personal Media Suite is already open and has started minimised in the taskbar, you can also open the Secure&Compress folder with a right-click on the taskbar symbol of the Freecom Personal Media Suite:

| **Open** |
| Open Secure & Compress folder «Secure» |
| Configuration |
| Exit |

4. Of course you can also open the Secure&Compress folder over the Windows Explorer.

4.6.3 Encrypting files and folders

1. Open the Secure&Compress folder.
2. Pull the files or folders to be encrypted in the Secure&Compress folder using the drag&drop function. Each file is now compressed and then encrypted.
3. The first time you will be requested to enter and confirm a password. Select "Save password on this computer" if you do not want to be requested to enter a password again.
4. Alternatively, you can also right-click on the files or folders and select the Secure&Compress folder in the context menu under "Send to ...".

4.6.4 Decrypting files and folders

In order to decrypt files and folders which are in the Secure&Compress folder, please proceed as follows:
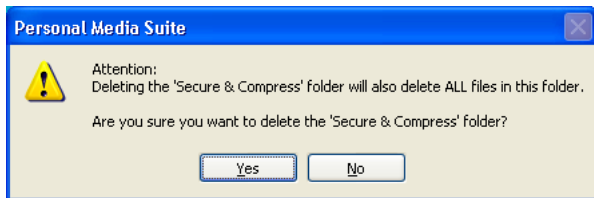
1. Open the Secure&Compress folder.
2. Select the file(s) or folder(s) to be decrypted and pull them into the target folder (e.g. with the Windows Explorer) using drag&drop.
3. Your files are now decrypted and decompressed. The encrypted original remains on the Freecom DataTank.

4.6.5 Deleting the Secure&Compress folder

Click on "Delete folder" in order to delete the selected Secure&Compress folder.

ATTENTION: All files in the folder are irrevocably deleted!

Before the deletion, a security request is carried out whether you really want to delete the folder:

4.6.6 Changing the password

1.   Open the Freecom Personal Media Suite and select the tab "Secure&Compress".
2.   Click on "Change password". The following window opens:
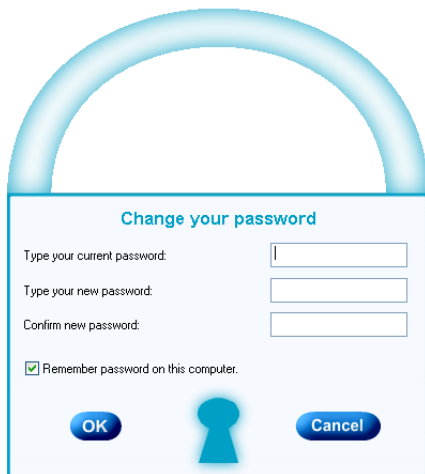
3.   Please enter your current password in the top input field. Enter your new password in the middle input field and confirm it in the bottom input field.

Please note: Your changed password applies to all files and folders encrypted from the time of the change. For files and folders which were encrypted before, the password which was used for encryption remains.

Changes of the password do not apply to files and folders already encrypted!

4.7 Freecom SYNC

4.7.1 What is Freecom SYNC?

The Freecom SYNC integrated in the Freecom Personal Media Suite is a program for synchronizing files. The computer serves as origin of the data. This data can be processed on any number of other computers.

Example:

You create a document at work and want to work on it at home (Freecom Personal Media Suite is installed on your PC at work):

• Copy the document from the PC at work to your Freecom SYNC folder on your Freecom DataTank.

• Open the document at home directly out of the Freecom SYNC folder. Work on it and save it in the Freecom SYNC folder.

• Connect the Freecom DataTank to your PC at work and click "Sync now" in the Freecom Personal Suite. The document will now be synchronized between your PC at work and the Freecom DataTank. While synchronizing, only modified files will be replaced by newer files.

4.7.2 Creating a new SYNC folder

1. Open the Freecom Personal Media Suite and select the tab "Freecom SYNC". Click on "Select folder" and select a folder on your Freecom DataTank.

2. Alternatively, you can create a new SYNC folder on your Freecom DataTank using the "Select folder" function by clicking on "Create new folder", naming the folder (e.g. "SYNC") and selecting it.

3. Click on "Complete" so that the new folder is created. Then opens the Freecom SYNC folder.

   Important: The selected folder may not contain any files or folders!

4.7.3 Opening the SYNC folder

1. Open the Freecom Personal Media Suite and select the tab "Freecom SYNC".

2. Click on "Open folder" in order to open the SYNC folder.

3. If the Freecom Personal Media Suite is already open and has been started minimised in the taskbar, you can also open the SYNC folder through a right-click on the taskbar symbol of the Freecom Personal Media Suite.

4.7.4 Adding files into the SYNC folder

1. Open the SYNC folder.

2. Pull the respective files or folders in the SYNC folder using the drag&drop function.

3. Alternatively, you can also right-click on the file(s) or folder(s) and select the SYNC folder in the context menu under "Send to ...". Your files/folders are now copied into the SYNC folder.

4.7.5 Changing the SYNC folder

1. Open the Freecom Personal Media Suite and click on the tab "Freecom SYNC".

2. Click on "Change folder" to select a new folder for data synchronization.

   Important: The selected folder may not contain any files or folders!

4.7.6 Deleting the SYNC folder

1. Open the Freecom Personal Media Suite and click on the tab "Freecom SYNC".

2. Click on "Delete folder" in order to delete the active SYNC folder.

ATTENTION: All files in the folder are irrevocably deleted!

Before the deletion, a security request is carried out whether you really want to delete the folder:
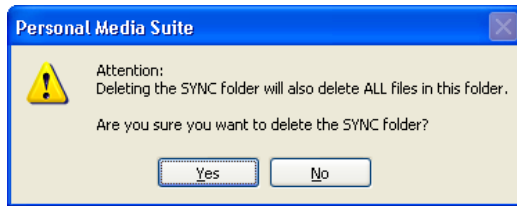
4.7.7 Synchronisation of files and folders

There are three possibilities for the synchronization of your files:

1. Press the SYNC button of your Freecom Freecom DataTank. Your data is now synchronised.

2. Synchronisation of the data when your Freecom DataTank is connected to your computer.

   For this, please proceed as follows:

   a) Open the Freecom Personal Media Suite and click on the tab "Freecom SYNC".

   b) Select a SYNC folder if you have not yet done so.

   c) Activate the function "Sync on Freecom device plug-in" in the tab "Freecom SYNC":
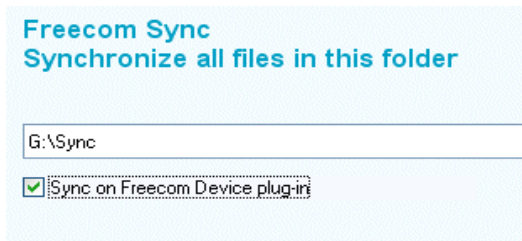
Your files are now synchronized each time when you connect your Freecom DataTank to your computer (Freecom Personal Media Suite has to be started).

This function is activated by default when a SYNC folder is created!

3. Starting the synchronization manually

   a) Open the Freecom Personal Media Suite and click on the tab "Freecom SYNC".

   b) Select a SYNC folder if you have not yet done so.

   c) Click on "Sync now!" to start the data synchronization.

   d) Alternatively, right-click on the system tray icon of the Freecom Personal Media Suite and select "Start synchronization" there.

4.7.8 Usage of the SYNC folder with other computers

Please follow these instructions if you want to use the SYNC folder with another (second) computer.

All files you want to work with on another computer have to be opened directly out of the Freecom SYNC folder! You should not copy them to another hard disk, as this might cause a later synchronization to perform incorrectly.

4.7.9 Synchronization of new or changed files

This example shows how you can synchronize files which were changed or created on the Freecom DataTank, with the original files on the primary computer.

1. Connect the Freecom DataTank with the primary computer.

2. Open the context menu on the SYNC icon in the taskbar and click on "Start synchronization".

| **Open** |
| Open Sync folder «Sync» |
| Open Secure & Compress folder «Secure» |
| Start synchronization «Sync» |
| Configuration |
| Exit |

3. A status window appears. Please select "Update" if you wish to synchronize the file or otherwise select "Cancel". If you choose not to synchronize the file (Cancel) you will be able to synchronize this file during the next synchronization.
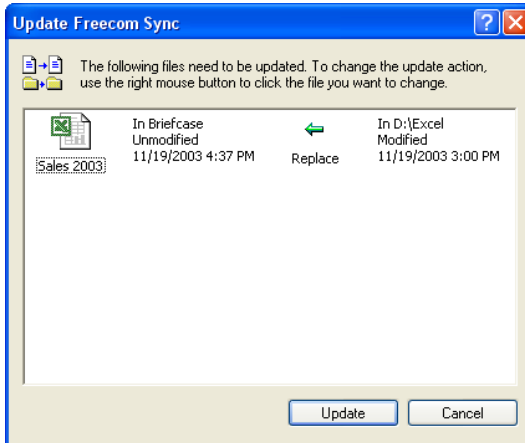
4.7.10 Skip files during synchronization

If you want to skip just one file out of many, please click on this file with the right mouse button and select "Skip". The green arrow next to the selected file changes to a blue one, indicating that this file will not be synchronized. You will be able to synchronize this file during the next synchronization.
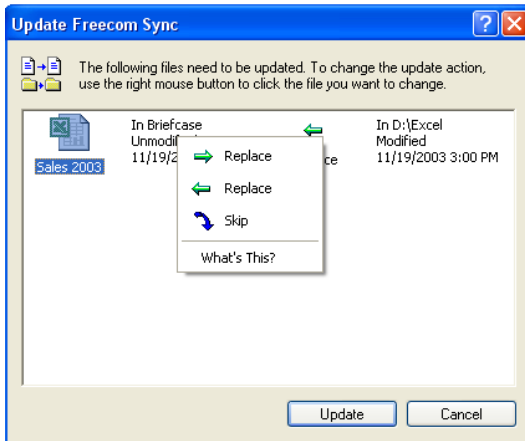
4.7.11 Handling deleted files

Deleting files on either the primary computer or the SYNC folder on the Freecom DataTank results in a red X next to the file during the next synchronization.
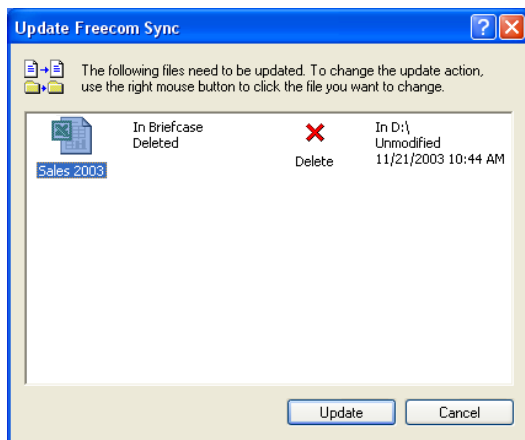

This indicates that the file has been deleted and that its counterpart will be deleted, too. Please select "Update" to proceed.

If you wish to keep the file, please click with the right mouse button on the file and select "Don't Delete". The file will not be deleted and will be disregarded during the next synchronization.

If you want to delete a file on either the primary computer or in the SYNC folder and do not want to affect its counterpart, it is necessary to "Split From Original" the files. Please follow the instructions:

1. Select the file or folder you want to delete.
2. Choose "Properties" in the context menu.
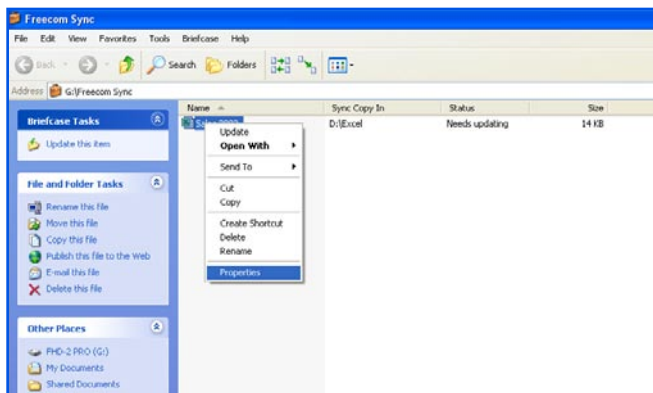
3. Select "Update" and "Split From Original".
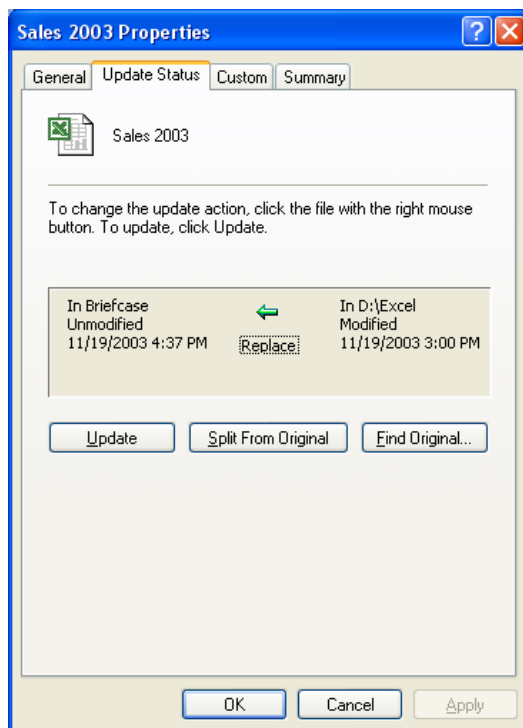
4. Select "Yes".

4.7.12 Office use

The Freecom Freecom DataTank is ideal for making a local backup, which stores your data independently from your network or local computer. Simply 'send to' your important files and directories to the SYNC folder on the Freecom Freecom DataTank and update your backup from time to time click "Sync now". This is extremely easy and very fast, because the SYNC tool only backups changed files via the fast USB 2.0/Firewire port connections.

The best thing is, even when your network or local computer is not working, you can take your Freecom Freecom DataTank to any other computer (equipped with an USB/Firewire port) and continue. Even at your home-office, where you can be close to the people you love and still having all your business data available.

Simply click "Sync now" before you leave the office and you are always up to date and can work with the data on the Freecom Freecom DataTank.

Copying files into the SYNC folder

Mark the files and folders you want to copy to the SYNC folder. Click with the right mouse button on the files and folders and select 'Send to SYNC folder...' Done.

Now all your valuable data has been copied to the Freecom Freecom DataTank. Every time you click "Sync now", all changed or added / deleted files and folders from the selected folders will be synchronized with the data on the Freecom Freecom DataTank.
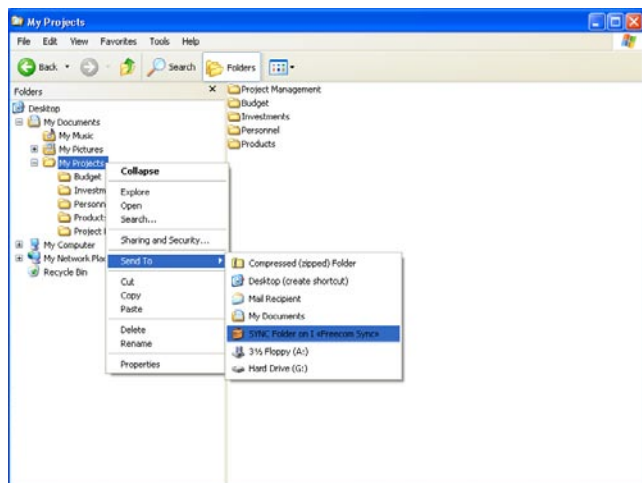
4.7.13 Home use

At the office, there is always a backup of your important business data. But how about your data at home? All the memories stored in digital photo's made during your last holiday? Or the first pictures and movies of your children! You do not want to loose those! The Freecom DataTank is ideal for making a safety backup, which stores your data independently from your computer. Simply 'send to' your important files and directories to the SYNC folder on the Freecom DataTank and update your backup from time to time click "Sync now".

Copying files into the SYNC folder

Follow the instruction in the manual to install the Freecom DataTank and the SYNC folder. Mark the files and folders you want to copy to the SYNC folder. Click with the right mouse button on the files and folders and select 'Send to SYNC folder...'.Done.

Now all your valuable data has been copied to the Freecom DataTank. Every time click "Sync now", all changed or added / deleted files and folders from the selected folders will be synchronized with the data on the Freecom DataTank.
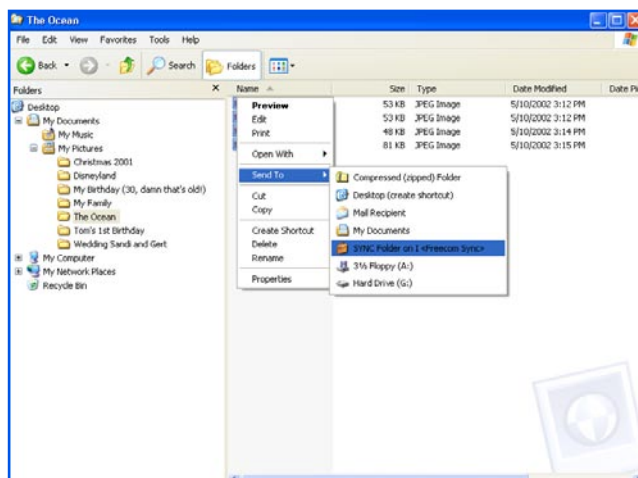
4.8 Using the Freecom Backup Software (PC)

The "Freecom Backup Software" serves to back up personal and business data from internal file media (e.g. hard disk) onto external Freecom drives. It makes it possible to back up all data from individual hard disks, as well as data or data types individually specified by the user. This can be carried out as a full backup or in incremental backups (to save time). There are two user interfaces available:
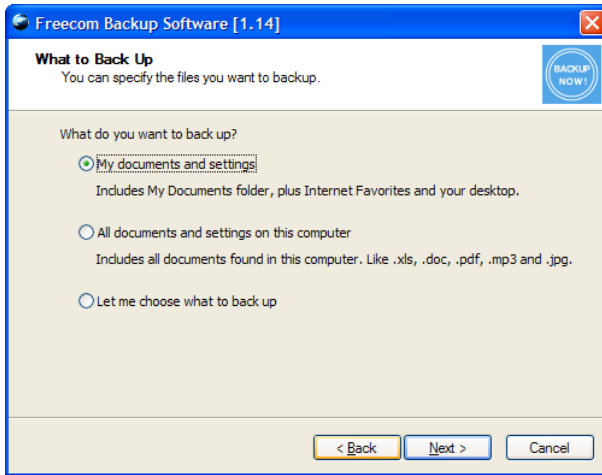
1.   The **Wizard Mode** for quick and easy backup of the data.
2.   The **Advanced Mode** with advanced configuration possibilities.

4.8.1 Wizard Mode

In this window you can specify whether the software should always start in **Wizard Mode** or in **Advanced Mode**.

**4.8.2 Selection of the files to back up**

For selecting the files to be backed up, there are three different options available:

1. **My documents and settings** contains the "My Documents" folder, Internet Favourites, as well as the desktop of the logged-in user.
2. **All documents and settings on this computer** backs up the files of all users on your computer.
3. **Let me choose what to back up** gives you the possibility to carry out a user-specified backup. You can select specifically which types of files and directories you want to back up and which files should be excluded from the backup.
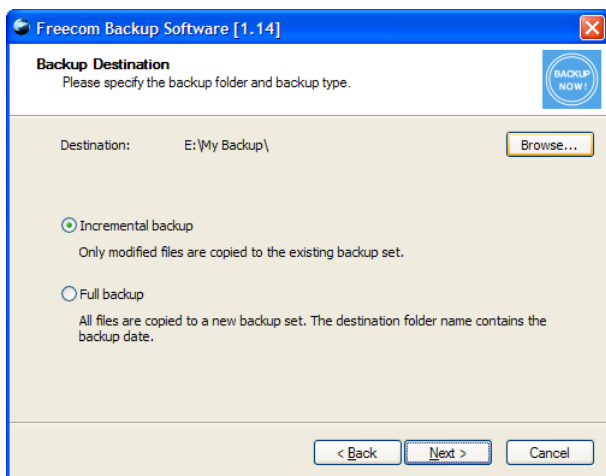
4.8.3 Predefined backup

Select either **My documents and Settings** or **All documents and settings on this computer** and then click on "Next". A list of available Freecom drives is displayed then:
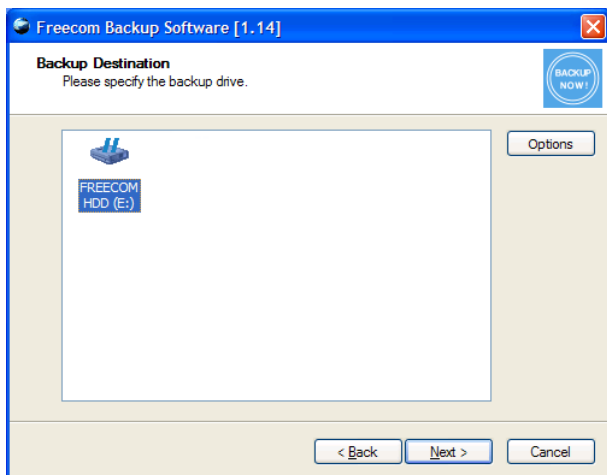
Select the drive to which you want to back up your data. You can open the advanced backup options by clicking on the Options button.

4.8.4 Backup options

The modes **Full backup** (complete data backup) and **Incremental backup** (appending data backup) are available.

1. **Full backup** means that at every backup a new directory is created with all data to be backed up.
2. **Incremental backup** means that an already existing backup set is opened and only that data is backed up that has been created or modified since the last backup. An incremental backup is significantly faster than a full backup, because not all data needs to be backed up.

Click on "Next" to continue.

4.8.5 Select a directory

The target folder for your backup can be either the suggested folder name (e.g. "My Backup") or you can select your own target folder. Click on "Browse" for this and select a backup folder. Then click on "Next".
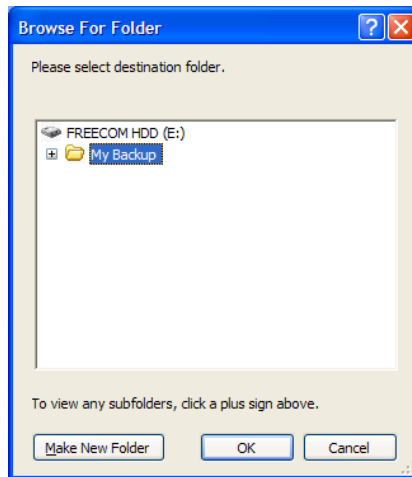
4.8.6 Summary of the settings made

A summary of the settings you made is displayed then. Click on "Back" to make changes or click on "Complete" to accept the settings and to start the backup.
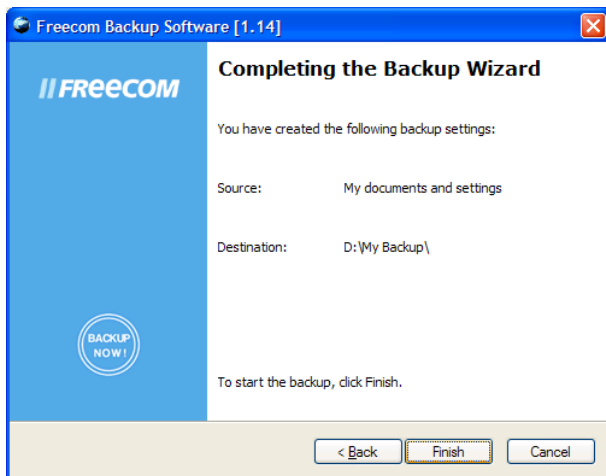

4.8.7 Backup

While the backup is in progress a window is displayed showing the status of the backup. A bar indicates the progress of the backup. Furthermore the number of backed up files and the total size of the backup is listed after the completion of the backup.
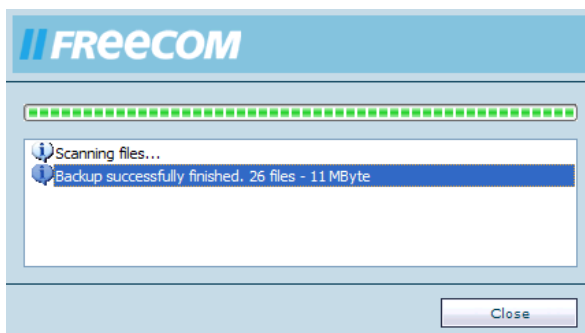
After the end of the backup click on "Close" and you are returned to the main window.

4.8.8 User-defined backup

Select "Let me choose what to backup" if you would rather determine yourself which files should be backed up.
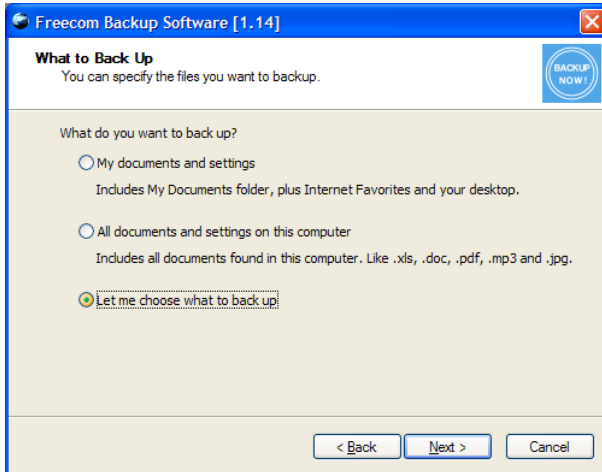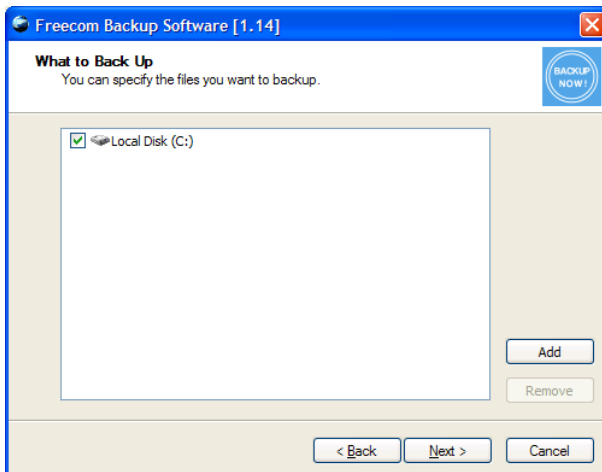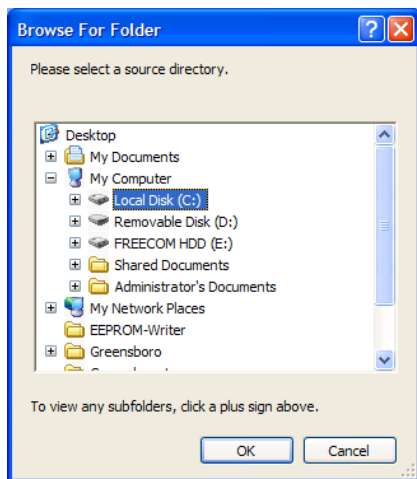

4.8.9 Select drives

This window lists the drives from which a backup can be made. By clicking on "Add" you can select further folders. With "Remove" you can take folders/drives from the list.

All the drives or folders that have a check mark are included in the backup. Remove the check mark from drives or folders that you do not want to back up.
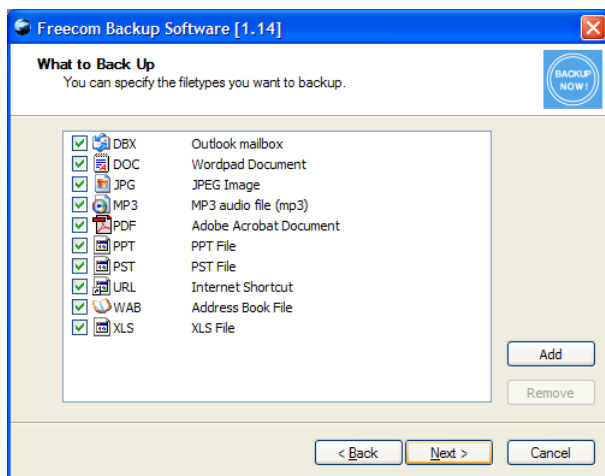
Then click on "Next".

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4.8.10 File types to back up

In the following window you can select which types of files should be backed up. This prevents unwanted files (such as temporary files) from being backed up.

A list of the most common files types is presented. Click the "Add" button to add a further file types.


Click on "Next" to continue.

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4.8.11 Add extensions

When you click on "Add" a list of all known file types is displayed. Select the file types you need. In case the file name extension you are looking for is not on the list, then you can define it yourself. For this go to the end of the list and select "Click here to add your own extension".
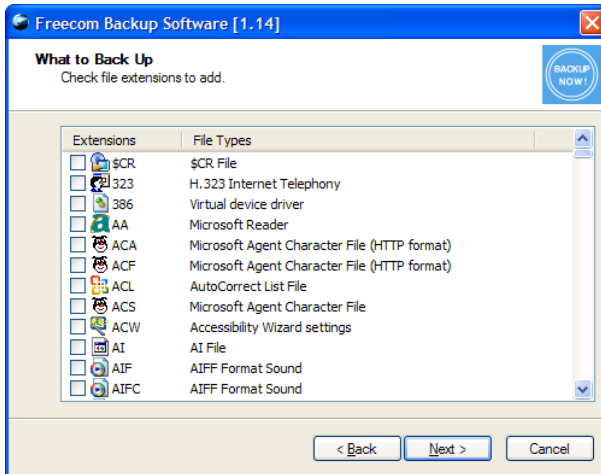

4.8.12 Folders that should not be backed up

In the following window you can exclude folders from being backed up. By default various folders of the system drive are selected. Click the "Add" button to add a further directories. To remove directories from the list, select the directory to be omitted and then click on "Remove".
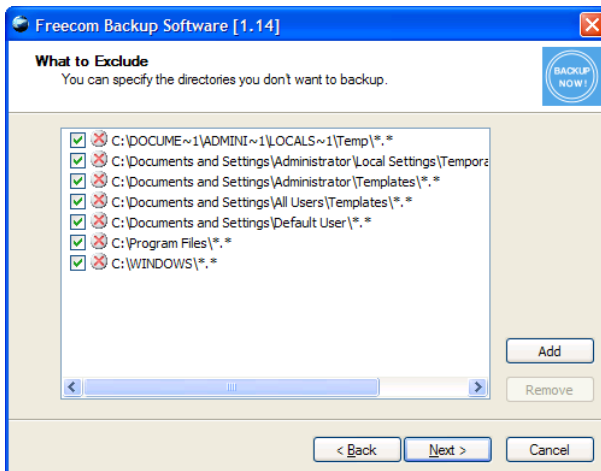

Then click on "Next".

4.8.13 Summary of the settings made

The settings you have made are now listed for review. Click on "Back" if you want to make changes or click on "Complete" to start the backup.
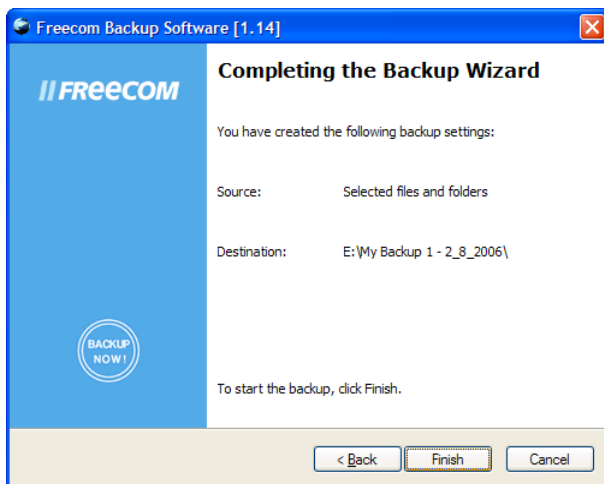
4.8.14 Backup

While the backup is in progress a window is displayed showing the status of the backup. A bar indicates the progress of the backup. Furthermore the number of backed up files and the total size of the backup is listed after the completion of the backup.
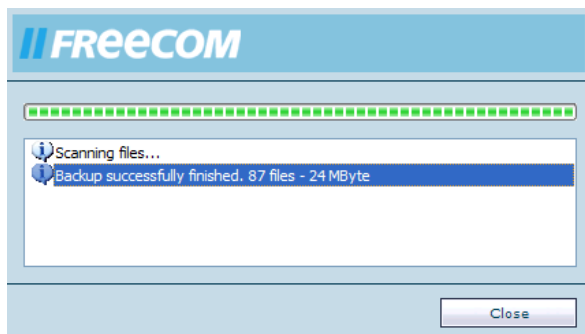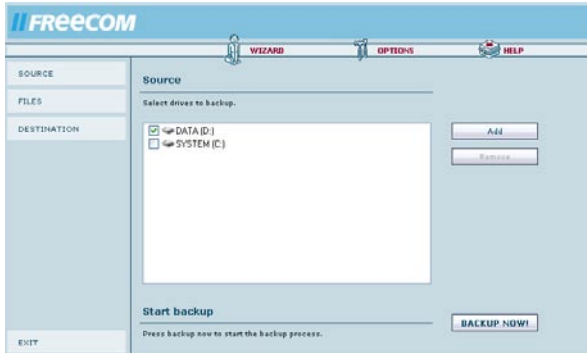

After the end of the backup click on "Close" and you are returned to the "Advanced Mode" window.
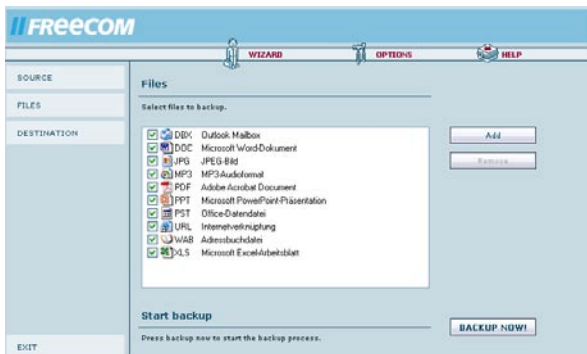
4.9 Advanced Mode

4.9.1 Select source

In Source the source drives or folders can be specified from which a backup should be made.
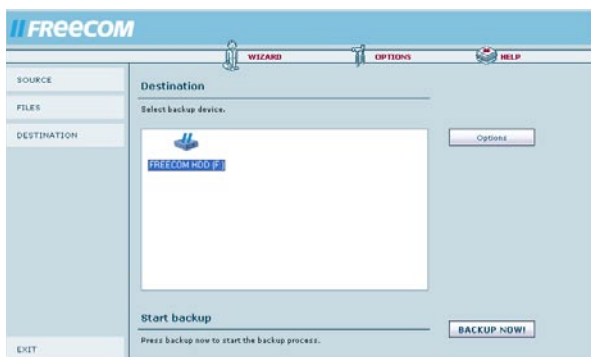

4.9.2 File types to back up (extensions)

File types can be selected in the Files window that should be included in the backup.

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4.9.3 Selecting the target drive

In this window you can select the target drive for the backup.

4.9.4 Select backup mode

In the Destination window under **Options** the modes **Full backup** (complete data backup) and **Incremental backup** (appending data backup) are available.

1. **Full backup** means that at every backup a new directory is created with all data to be backed up.
2. **Incremental backup** means that an already existing backup set is opened and only that data is backed up that has been created or modified since the last backup. An incremental backup is significantly faster than a full backup, because not all data needs to be backed up.

4.9.5 Options

Under **Options** in the main window the splash screen can be activated or deactivated that appears when the software is started.

Furthermore folders can be selected that should not be included in the backup.
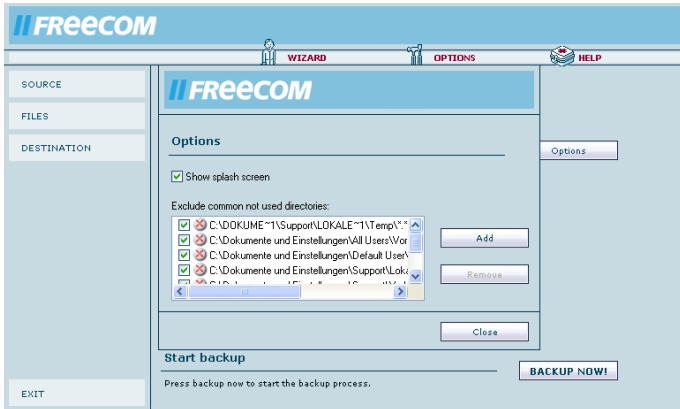
Click on "Backup Now" to start the backup.

4.9.6 Backup

While the backup is in progress a window is displayed showing the status of the backup. A bar indicates the progress of the backup. Furthermore the number of backed up files and the total size of the backup is listed after the completion of the backup.
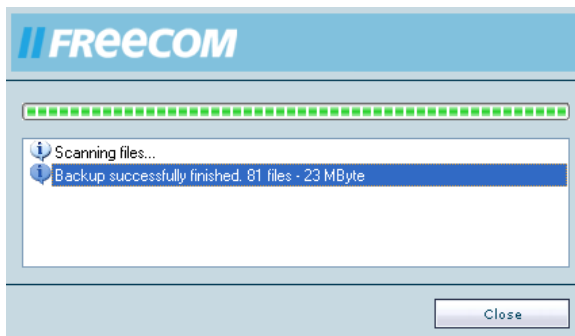
Once the backup is completed press the "Close" button and you are returned to the main menu.

Chapter 5: Partitioning your Freecom DataTank

5.1 General information

Your Freecom DataTank was partitioned and formatted to provide you with the maximum available capacity and compatibility.

For some users another file system might fit better for their needs. This manual describes current limitations of most common file systems and Instructions to enable you to adapt the Freecom DataTank to your needs.

5.2 File System features

Please refer to the tables below for an overview:

File systems supported by different operating systems

File system / Operating system	FAT	FAT32	NTFS	**HFS+**
Windows 2000	yes	yes	yes	no
Windows XP	yes	yes	yes	no
MacOS X	yes	yes	yes (only read)	yes

Maximum size of a partition

File system / Operating system	FAT	FAT32	NTFS	**HFS+**
Windows 2000	4 GB*	32 GB	16 TB	-
Windows XP	4 GB*	32 GB	16 TB	-
Mac OS X 10.1.x	-	128 GB	-	2 TB
Mac OS X 10.2.x	-	128 GB	-	8 TB
Mac OS X 10.3.x	-	(-> 128 GB)	-	16 TB
Mac OS X 10.4.x	-	(-> 128 GB)	-	16 TB

* FAT partitions larger than 2 GB can only be administrated by Windows 2000/XP.

Example for different partitions with different file systems on one Freecom DataTank

Total size of Freecom DataTank	File system	
	NTFS	FAT32
500 GB	300 GB	200 GB

> **Note: On NTFS formatted hard disks can only be written under Windows 2000/XP. Under MacOSX data can only be read.**

The example above is a good solution for Windows 2000/XP users who sometimes exchange data with Windows 98SE/ME PCs.

For storing the data under Windows 2000/XP both partitions can be used. As the NTFS file system is not recognized by Windows 98SE/ME data to be used on these operating systems must be stored on the FAT32 partition.

Please follow the steps below to adapt the Freecom DataTank for your needs.

5.3 Partitioning your Freecom DataTank under Windows XP / 2000

5.3.1 Deleting a partition on the Freecom DataTank under Windows XP / 2000

1. Click with the right mouse button on the "My Computer" icon on your desktop.
2. Select the option "Manage".
3. Select the option "Storage" -> "Disk Management".
4. Choose your external hard drive and right-click on the partition.
5. Select "Delete Partition" and confirm by clicking on "Yes". The partition will be deleted now.
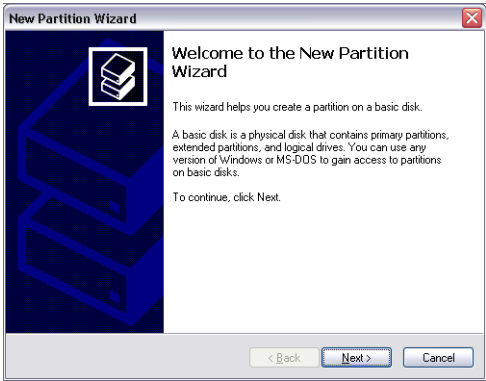
5.3.2 Creating a partition on the Freecom DataTank under Windows XP / 2000

The following steps will guide you through the process of creating partitions on your Freecom DataTank. After this procedure your Freecom DataTank will be ready for use and it will be allocated a drive letter.

1. Click with the right mouse button on the "My Computer" icon on your desktop.
2. Select the option "Manage".
3. Select the option "Storage" -> "Disk Management".
4. Choose the hard disk, which is "unallocated". Ensure that the entire drive is "unallocated".
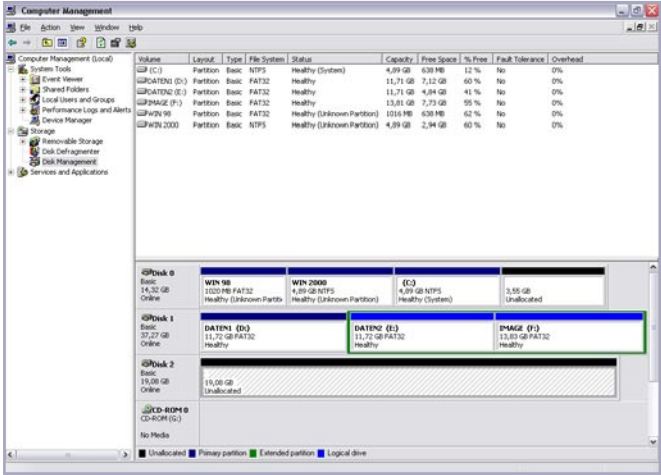
5. Click with the right mouse button on the "unallocated" area and select the option "New Partition" (Windows 2000: "Create Partition Wizard"). The "New Partition Wizard" opens. Click on "Next".

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6. Select "Primary partition" and click on "Next".
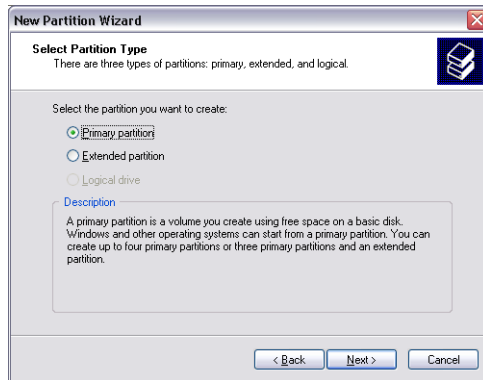
7. Now you can adjust the size of your partition. Click on "Next" if only one partition is to be created. See next chapter (Creating two or more partitions on the Freecom DataTank under Windows XP/2000) how to create more than one partition.
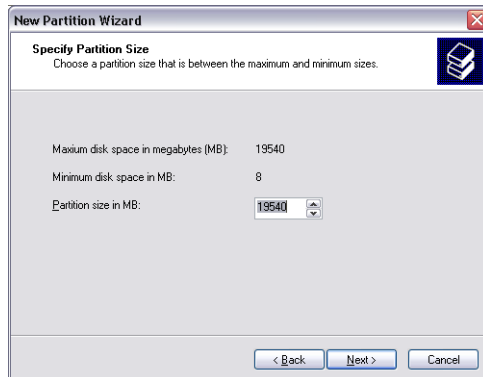
8. Assign a drive letter to your hard disk. Normally you can use the default options. Click on "Next".

9. Select the formatting option. Choose either "FAT32" or "NTFS", the "Allocation Unit Size" should remain on "Default". Finally select "Perform Quick Format" and click on "Next".


10. Click on "Finish" to complete the partitioning of your Freecom DataTank. Your Freecom DataTank will be formatted now and is ready-to-use afterwards.
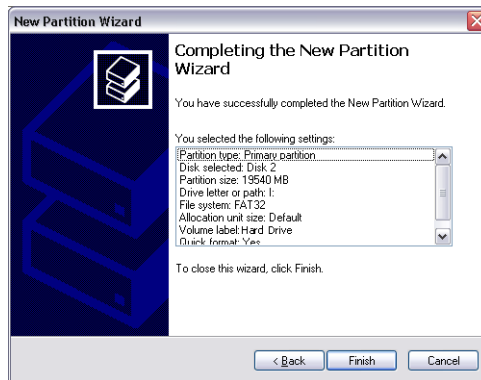
5.3.3 Creating two or more partitions on the Freecom DataTank under Windows XP / 2000

1. Repeat the steps from the previous chapter (Creating a partition on the Freecom DataTank under Windows XP/2000) for creating the first partition.

2. Click with the right mouse button on the "My Computer" icon on your desktop.

3. Select the option "Manage".

4. Select the option "Storage" -> "Disk Management".

5. Right-click on the unallocated space of your Freecom DataTank and select the op- tion "New partition" (Windows 2000: "Create partition"). The "New Partition Wizard" (Windows 2000: "Create Partition Wizard") opens. Click on "Next".

6. Select "Extended partition" and click on "Next".
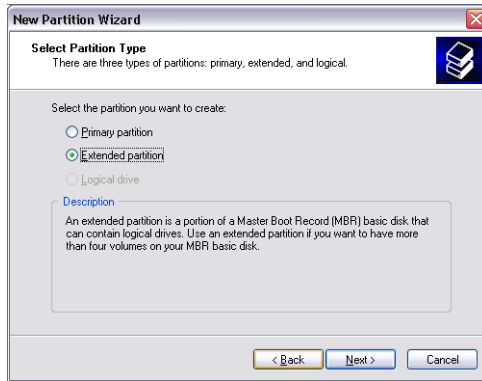
7. Now you can adjust the size of your partition. Enter the size and click on "Next".

8. Click on "Finish" to create the "Extended partition". The unallocated space now changed to "Free space".
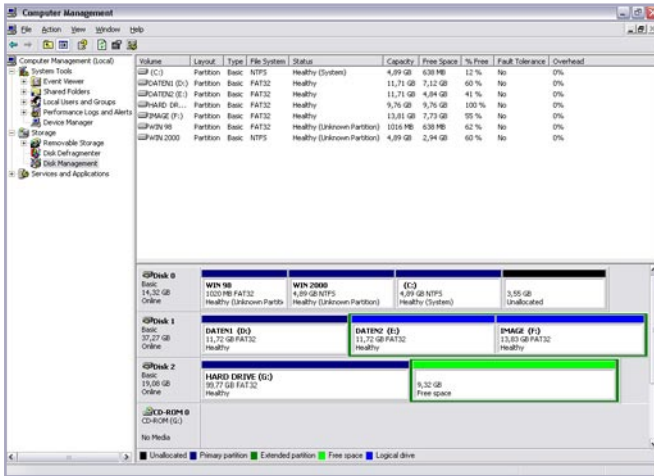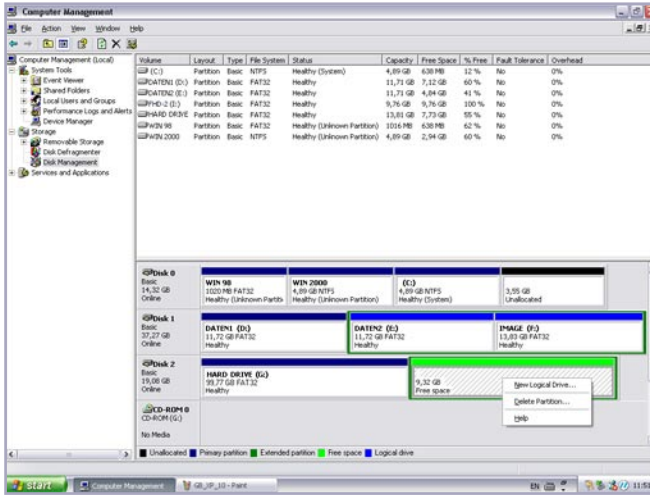
9. Right-click on "Free Space" and select "New Logical Drive" (Windows 2000: "Create Logical Drive"). The "New Partition Wizard" (Windows 2000: "Create Partition Wizard") opens. Click on "Next".

10. "Logical drive" is already selected. Click on "Next".

11. Specify the partition size and click on "Next".

12. Assign a drive letter and click on "Next".

13. Select the formatting option. Choose either "FAT32" or "NTFS", the "Allocation Unit Size" should remain on "Default". Finally select "Perform Quick Format" and click on "Next".

14. Click on "Finish" to complete partitioning. Your partition will be formatted now and is ready-to-use.

Note: If you select NTFS as file system, the data of your DataTank can be read only under Mac OS X. There is no possibility to write data.

5.4 Partitioning your Freecom DataTank under Mac OS X

1. Open the "Disk Utility". This can be found in "Applications" —> "Utilities".
2. Click on the tab "Partition".
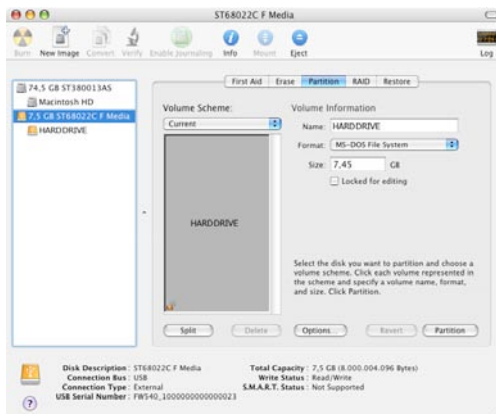
Here you can setup the partition settings and partition the drive according to your settings. Detailed information how to use the Disk Utility can be found in the help:
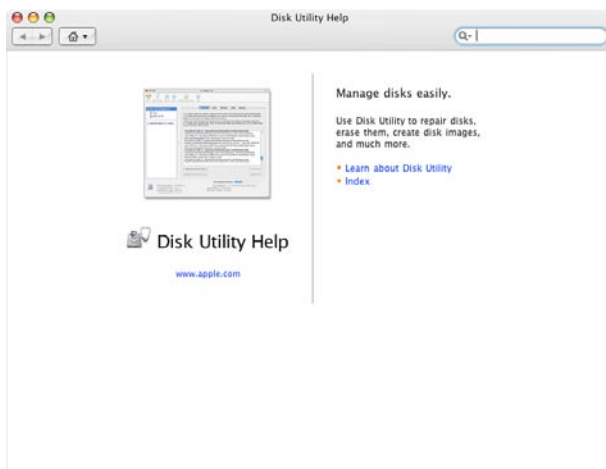
Chapter 6: Troubleshooting

Issue	Solution
After I connected the Freecom DataTank to my computer for the first time no Freecom SYNC folder has been created automatically.	• Install the Freecom Personal Media Suite software and safely remove and reconnect the Freecom DataTank • Follow the instructions on chapter Creating a new SYNC folder.
After installation of Freecom Personal Media Suite, the message "No Freecom DataTank external hard drive found." appears.	• Connect the Freecom DataTank to your computer. • Check all connections between the Freecom DataTank, the power supply and the computer. • Safely remove and reconnect the Freecom DataTank.
Files deleted in the SYNC folder are still appearing during the synchronization.	You have to "Split From Original" the files from their counterparts before you may delete them. Please refer to chapter Handling deleted files.
An empty folder is not synchronized.	Empty folders are not taken into account during synchronization.
If you are working with the program "Total Commander" and are using the "send to" dialog to add items to the SYNC folder, the message "The briefcase is in use on another computer" could appear.	The SYNC folder is opened by another program. Please close all applications which are using the SYNC folder.
Not enough memory on the target drive (Freecom DataTank) during creation of SYNC folder.	Delete files on the target drive (Freecom DataTank) or select less files.
Not enough memory on the target drive (Freecom DataTank) during synchronization.	Delete files on the target drive (Freecom DataTank).
Data on the Freecom DataTank can be read, but not written.	Check with which file system the Freecom DataTank was formatted. Only with FAT 32 data on the drive under different operating systems can be read and written.

WARRANTY
(valid in Europe/Turkey only)

We thank you for purchasing this Freecom product and hope you will enjoy using it. In order to avoid unnecessary inconvenience on your part, we suggest reading the quick install guide, instruction manual and any additional electronic and or printed manuals. When problems occur we have a database with Frequently Asked Questions (FAQ) on our Freecom website (www.freecom.com), please check this site before you contact the helpdesk.

Your Guarantee

All Freecom products come with unlimited technical phone and web support. By this Guarantee, Freecom warrants their products to be free from defects in material and workmanship for a period listed below from the date of its original purchase. If during this period of guarantee the product proves defective due to improper materials or workmanship, Freecom will, without charge for labour or parts, at its sole discretion, repair or replace the product or its defective parts upon the terms and conditions set out below.

Conditions

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